

RAW SEQUENCE LISTING
PATENT APPLICATION US/09/387,340DATE: 09/20/1999
TIME: 10:15:12

INPUT SET: S33382.raw

This Raw Listing contains the General
Information Section and up to the first 5 pages.

SEQUENCE LISTING

(1) General Information:

(i) APPLICANT: Needleman, Philip
Glenn, Kevin
Krul, Elaine
Gamson, Edward P.

(ii) TITLE OF INVENTION: An Immunological Process and Constructs
for Increasing the HDL Cholesterol Concentration

(iii) NUMBER OF SEQUENCES: 50

(iv) CORRESPONDENCE ADDRESS:

(A) ADDRESSEE: Welsh & Katz, Ltd.
(B) STREET: 120 South Riverside Plaza, 22nd Floor
(C) CITY: Chicago
(D) STATE: IL
(E) COUNTRY: USA
(F) ZIP: 60606

(v) COMPUTER READABLE FORM:

(A) MEDIUM TYPE: Floppy disk
(B) COMPUTER: IBM PC compatible
(C) OPERATING SYSTEM: PC-DOS/MS-DOS
(D) SOFTWARE: PatentIn Release #1.0, Version #1.30

(vi) CURRENT APPLICATION DATA:

(A) APPLICATION NUMBER:
(B) FILING DATE:
(C) CLASSIFICATION:

(viii) ATTORNEY/AGENT INFORMATION:

(A) NAME: Gamson, Edward P.
(B) REGISTRATION NUMBER: 29,381
(C) REFERENCE/DOCKET NUMBER: MON-102.0 6018/69242

(ix) TELECOMMUNICATION INFORMATION:

(A) TELEPHONE: (312)655-1500
(B) TELEFAX: (312)655-1501

(2) INFORMATION FOR SEQ ID NO:1:

(i) SEQUENCE CHARACTERISTICS:

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47 (A) LENGTH: 1431 base pairs
48 (B) TYPE: nucleic acid
49 (C) STRANDEDNESS: single
50 (D) TOPOLOGY: linear
51

52 (ii) MOLECULE TYPE: DNA (genomic)
53
54

55 (viii) POSITION IN GENOME:
56 (C) UNITS: bp
57
58

59 (x) PUBLICATION INFORMATION:

60 (A) AUTHORS: Drayna, Dennis
61 Jarnagin, Alisha Stephens
62 McLean, John
63 Henzel, William
64 Kohr, William
65 Fielding, Christopher
66 Lawn, Richard

67 (B) TITLE: Cloning and sequencing of human cholesteryl
68 ester transfer protein cDNA

69 (C) JOURNAL: Nature

70 (D) VOLUME: 327

71 (F) PAGES: 632-634

72 (G) DATE: June 18-1987
73

74 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:
75

76	TGCTCCAAAG GCACCTCGCA CGAGGCAGGC ATCGTGTGCC GCATCACCAA GCCTGCCCTC	60
77		
78	CTGGTGTGTA ACCACGAGAC TGCCAAGGTC ATCCAGACCG CCTTCCAGCG AGCCAGCTAC	120
79		
80	CCAGATATCA CGGGCGAGAA GGCCATGATG CTCCTTGGCC AAGTCAAGTA TGGGTTGCAC	180
81		
82	AACATCCAGA TCAGCCACTT GTCCATCGCC AGCAGCCAGG TGGAGCTGGT GGAAGCCAAG	240
83		
84	TCCATTGATG TCTCCATTCA GAACGTGTCT GTGGTCTTCA AGGGGACCCT GAAGTATGGC	300
85		
86	TACACCACTG CCTGGTGGCT GGGTATTGAT CAGTCCATTG ACTTCGAGAT CGACTCTGCC	360
87		
88	ATTGACCTCC AGATCAACAC ACAGCTGACC TGTGACTCTG GTAGAGTGCG GACCGATGCC	420
89		
90	CCTGACTGCT ACCTGTCTTT CCATAAGCTG CTCCTGCATC TCCAAGGGGA GCGAGAGCCT	480
91		
92	GGGTGGATCA AGCAGCTGTT CACAAATTTC ATCTCCTTCA CCCTGAAGCT GGTCTGAAG	540
93		
94	GGACAGATCT GCAAAGAGAT CAACGTCATC TCTAACATCA TGGCCGATTT TGTCCAGACA	600
95		
96	AGGGCTGCCA GCATCCTTTC AGATGGAGAC ATTGGGGTGG ACATTTCCCT GACAGGTGAT	660
97		
98	CCCGTCATCA CAGCCTCCTA CCTGGAGTCC CATCACAAGG GTCATTTTCAT CTACAAGAAT	720
99		

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100 GTCTCAGAGG ACCTCCCCCT CCCACCTTC TCGCCACAC TGCTGGGGGA CTCCCGCATG 780
101
102 CTGTACTTCT GGTTCCTCTGA GCGAGTCTTC CACTCGCTGG CCAAGGTAGC TTTCCAGGAT 840
103
104 GGCCGCCTCA TGCTCAGCCT GATGGGAGAC GAGTTCAAGG CAGTGCTGGA GACCTGGGGC 900
105
106 TTCAACACCA ACCAGGAAAT CTTCCAAGAG GTTGTGGCG GCTTCCCCAG CCAGGCCCAA 960
107
108 GTCACCGTCC ACTGCCTCAA GATGCCCAAG ATCTCCTGCC AAAACAAGGG AGTCGTGGTC 1020
109
110 AATTCTTCAG TGATGGTGAA ATTCTCTTT CCACGCCAG ACCAGCAACA TTCTGTAGCT 1080
111
112 TACACATTG AAGAGGATAT CGTGACTACC GTCCAGGCCT CCTATTCTAA GAAAAAGCTC 1140
113
114 TTCTTAAGCC TCTTGGATTT CCAGATTACA CCAAAGACTG TTTCCAACCT GACTGAGAGC 1200
115
116 AGCTCCGAGT CCATCCAGAG CTTCTGCAG TCAATGATCA CCGCTGTGGG CATCCCTGAG 1260
117
118 GTCATGTCTC GGCTCGAGGT AGTGTTTACA GCCCTCATGA ACAGCAAAGG CGTGAGCCTC 1320
119
120 TTCGACATCA TCAACCCTGA GATTATCACT CGAGATGGCT TCCTGCTGCT GCAGATGGAC 1380
121
122 TTTGGCTTCC CTGAGCACCT GCTGGTGGAT TTCCTCCAGA GCTTGAGCTA G 1431
123

(2) INFORMATION FOR SEQ ID NO:2:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 20 amino acids
(B) TYPE: amino acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: peptide

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

Glu Ile Phe Gln Glu Leu Ser Arg Gly Leu Pro Thr Gly Gln Ala Gln
1 5 10 15
Val Ala Val His
20

(2) INFORMATION FOR SEQ ID NO:3:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 20 amino acids
(B) TYPE: amino acid
(C) STRANDEDNESS: single
(D) TOPOLOGY: linear

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153 (ii) MOLECULE TYPE: peptide
154
155
156
157
158 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:
159
160 Val Ala Val Thr Phe Arg Phe Pro Arg Pro Asp Gly Arg Glu Ala Val
161 1 5 10 15
162
163 Ala Tyr Arg Phe
164 20
165
166 (2) INFORMATION FOR SEQ ID NO:4:
167
168 (i) SEQUENCE CHARACTERISTICS:
169 (A) LENGTH: 22 amino acids
170 (B) TYPE: amino acid
171 (C) STRANDEDNESS: single
172 (D) TOPOLOGY: linear
173
174 (ii) MOLECULE TYPE: peptide
175
176
177
178
179 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:
180
181 Leu Leu Leu Gln Met Asp Phe Gly Phe Pro Lys His Leu Leu Val Asp
182 1 5 10 15
183
184 Phe Leu Gln Ser Leu Ser
185 20
186
187 (2) INFORMATION FOR SEQ ID NO:5:
188
189 (i) SEQUENCE CHARACTERISTICS:
190 (A) LENGTH: 20 amino acids
191 (B) TYPE: amino acid
192 (C) STRANDEDNESS: single
193 (D) TOPOLOGY: linear
194
195 (ii) MOLECULE TYPE: peptide
196
197
198
199
200 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:
201
202 Thr Thr Val Gln Ala Ser Tyr Ser Gln Lys Lys Leu Phe Leu His Leu
203 1 5 10 15
204
205 Leu Asp Phe Gln

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206 20
207
208 (2) INFORMATION FOR SEQ ID NO:6:
209
210 (i) SEQUENCE CHARACTERISTICS:
211 (A) LENGTH: 20 amino acids
212 (B) TYPE: amino acid
213 (C) STRANDEDNESS: single
214 (D) TOPOLOGY: linear
215
216 (ii) MOLECULE TYPE: peptide
217
218
219
220
221 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:
222
223 Leu Leu Leu His Leu Gln Gly Glu Arg Glu Pro Gly Trp Leu Lys Gln
224 1 5 10 15
225
226 Leu Phe Thr Asn
227 20
228
229 (2) INFORMATION FOR SEQ ID NO:7:
230
231 (i) SEQUENCE CHARACTERISTICS:
232 (A) LENGTH: 20 amino acids
233 (B) TYPE: amino acid
234 (C) STRANDEDNESS: single
235 (D) TOPOLOGY: linear
236
237 (ii) MOLECULE TYPE: peptide
238
239
240
241
242 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:
243
244 Asp Val Ser Gly Glu Arg Ala Val Met Leu Leu Gly Arg Val Lys Tyr
245 1 5 10 15
246
247 Gly Leu His Asn
248 20
249
250 (2) INFORMATION FOR SEQ ID NO:8:
251
252 (i) SEQUENCE CHARACTERISTICS:
253 (A) LENGTH: 20 amino acids
254 (B) TYPE: amino acid
255 (C) STRANDEDNESS: single
256 (D) TOPOLOGY: linear
257
258 (ii) MOLECULE TYPE: peptide

PAGE: 1

SEQUENCE VERIFICATION REPORT
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Original Text